

**FCC ID:2BEJ5-T900**

Portable device

According to §15.247(e)(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to KDB447498 D01 General RF Exposure Guidance V06

The 1-g SAR and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR, where:

- $f(\text{GHz})$  is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion.

EDR:

| Modulation    | Channel Freq. (GHz) | Conduct ed power (dBm) | Conducte d power (mW) | Tune-up power (dBm) | Max tune-up power (dBm) | Max tune-up power (mW) | Distance (mm) | Result calculation | SAR Exclusion threshold | SAR test exclusion |
|---------------|---------------------|------------------------|-----------------------|---------------------|-------------------------|------------------------|---------------|--------------------|-------------------------|--------------------|
| GFSK          | 2.402               | 2.16                   | 1.64                  | 2±1                 | 3.00                    | 2.00                   | <5            | 0.61847            | 3.00                    | YES                |
|               | 2.441               | 1.728                  | 1.49                  | 1±1                 | 2.00                    | 1.58                   | <5            | 0.49524            | 3.00                    | YES                |
|               | 2.480               | 1.785                  | 1.51                  | 1±1                 | 2.00                    | 1.58                   | <5            | 0.49918            | 3.00                    | YES                |
| $\pi$ /4DQPSK | 2.402               | 2.863                  | 1.93                  | 2±1                 | 3.00                    | 2.00                   | <5            | 0.61847            | 3.00                    | YES                |
|               | 2.441               | 2.475                  | 1.77                  | 2±1                 | 3.00                    | 2.00                   | <5            | 0.62347            | 3.00                    | YES                |
|               | 2.480               | 2.363                  | 1.72                  | 2±1                 | 3.00                    | 2.00                   | <5            | 0.62843            | 3.00                    | YES                |
| 8DQPSK        | 2.402               | 3.129                  | 2.06                  | 3±1                 | 4.00                    | 2.51                   | <5            | 0.77860            | 3.00                    | YES                |
|               | 2.441               | 2.718                  | 1.87                  | 2±1                 | 3.00                    | 2.00                   | <5            | 0.62347            | 3.00                    | YES                |
|               | 2.480               | 2.718                  | 1.87                  | 2±1                 | 3.00                    | 2.00                   | <5            | 0.62843            | 3.00                    | YES                |

BLE:1M

| Modulation | Channel Freq. (GHz) | Conduct ed power (dBm) | Conducte d power (mW) | Tune-up power (dBm) | Max tune-up power (dBm) | Max tune-up power (mW) | Distance (mm) | Result calculation | SAR Exclusion threshold | SAR test exclusion |
|------------|---------------------|------------------------|-----------------------|---------------------|-------------------------|------------------------|---------------|--------------------|-------------------------|--------------------|
| GFSK       | 2.402               | 0.374                  | 1.09                  | 0±1                 | 1.00                    | 1.26                   | <5            | 0.39023            | 3.00                    | YES                |
|            | 2.44                | -0.136                 | 0.97                  | 0±1                 | 1.00                    | 1.26                   | <5            | 0.39330            | 3.00                    | YES                |
|            | 2.480               | -0.2                   | 0.95                  | 0±1                 | 1.00                    | 1.26                   | <5            | 0.39651            | 3.00                    | YES                |

BLE:2M

| Modulation | Channel Freq. (GHz) | Conduct ed power (dBm) | Conducte d power (mW) | Tune-up power (dBm) | Max tune-up power (dBm) | Max tune-up power (mW) | Distance (mm) | Result calculation | SAR Exclusion threshold | SAR test exclusion |
|------------|---------------------|------------------------|-----------------------|---------------------|-------------------------|------------------------|---------------|--------------------|-------------------------|--------------------|
| GFSK       | 2.402               | 0.527                  | 1.13                  | 0±1                 | 1.00                    | 1.26                   | <5            | 0.39023            | 3.00                    | YES                |
|            | 2.44                | 0.069                  | 1.02                  | 0±1                 | 1.00                    | 1.26                   | <5            | 0.39330            | 3.00                    | YES                |
|            | 2.480               | 0.005                  | 1.00                  | 0±1                 | 1.00                    | 1.26                   | <5            | 0.39651            | 3.00                    | YES                |

**Conclusion:**

For the max result :  $0.77860 \leq \text{FCC Limit } 3.0$  for 1g SAR.